



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.9502
Job Sheet 166723-1



Part No: 646.9502

Job Qty: 1 ea

Part Name: 206A/B/L-Series Cable Cutter System, Low



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/16/17

Job Tracking No:

Due Date: 11/24/17

Created By: Victoria Michaud-Febrille

Type: Stock

Description:

Customer: L3 Army Fleet Support LLC (CARMY01)

Army Fleet Support Cairns Field Bldg 30300 Specker Street Fort Rucker, AL, 36362 USA ph:(334) 255-8373

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Due Date	Standard		Workcenter/Supplier	
				Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time
90	Start up Operation	1 Ea	11/24/17	0.00	0.00	Start up container	
110	Packaging	1 pcs	11/24/17	0.00	0.00	Packaging1	
120	QC	1 pcs	11/24/17	0.00	0.00	QC4	Smb
125	DC	1 pcs	11/24/17	0.00	0.00	DC	
130	Packaging	1 pcs	11/24/17	0.00	0.00	Packaging3	Smb
140	QC21-FG	1 Ea	11/24/17	0.00	0.00	QC21	

Part Op 125 - Photocopy bluefile & type labels per PPP 646.9502

Descriptions: 130 - Identify and pack for shipping as per PPP 646.9502 Location :FG101

DEC 20 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation <i>sup 01/18</i> <i>02/18</i>	600.0990 <i>5024528</i>	1	17	0	0
	600.0991 <i>5024508</i>	1	5	0	0
	600.1012 <i>50178580</i>	1	11	0	0
	646.9601 <i>5023962</i>	1	4	0	0
	646.9603 <i>5025121</i>	1	2	0	0
	646.9810 <i>5024516</i>	1	2	0	0
	646.9910 <i>5018526</i>	4	0	0	0
	647.0110 <i>5018525</i>	1	2	0	0
	647.0111 <i>5018573</i>	1	19	0	0
	647.0112 <i>5018566</i>	8	161	0	0
	647.0113 <i>5018565</i>	2	34	0	0
	647.0114 <i>5018531</i>	1	44	0	0
	647.0115 <i>5018530</i>	1	39	0	0
	647.0116 <i>5018527</i>	2	42	0	0
	647.0210 <i>5012208</i>	1	1	0	0
	647.0310 <i>5018524</i>	2	17	0	0
	647.0410 <i>5018522</i>	1	20	0	0
	647.1210 <i>5018522</i>	1	21	0	0
	AN3-10A <i>5017891</i>	8	38	0	0
	AN3-11A <i>5017892</i>	8	77	0	0
	AN3-3A <i>5017891</i>	1	96	0	0
	AN743-13 <i>5017888</i>	1	27	0	0
	CCR264SS-3-06 <i>5017888</i>	8	207	0	0
	CCR264SS3-04 <i>5017883</i>	12	57	0	0
	CCR264SS3-02 <i>5017882</i>	4	100	0	0

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS				
	Rework ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐		
	Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐		
	Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐		
	Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐			

Date : _____	Step #: _____	QTY Effective : _____	MRB (QS1042) Approval
Job No: 166723-1 Mfg Date: 12/19/17 646.9502 Operation: Packaging Change No: PART NO: Revision: 206A/B/L - Series Cable Cutter System, Low S025128 DART AEROSPACE			Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval

Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
DART Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K64 1K7 CANADA TEL.: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com					
OTHER : _____					

5017881

CR3212-4-4	24	1	390	0	0
CR3212-5-4	5017880	8	123	0	0
CR3213-4-05	5017878	26	294	0	0
CR3213-4-1	5017876	14	300	0	0
CR3213-4-2	5017875	18	343	0	0
CR3213-4-3	5017869	18	370	0	0
CR3213-4-4	5017868	19	250	0	0
CR3213-4-6	5017859	20	397	0	0
MS21042-08	5017852	54	0	0	0
MS21042-3	5017848	17	0	0	0
MS21047-3	5017821	6	233	0	0
MS21059-3	5017815	2	411	0	0
MS21059L08		4	62	0	0
MS24694-S8	5017450	5	185	0	0
MS27039-08-06	5017453	4	25	0	0
MS27039-08-09	5017451	4	148	0	0
MS27039-08-11	5017447	43	1,598	0	0
MS27039-08-12	5017448	2	696	0	0
MS27039-08-13	5017446	6	191	0	0
MS27039-1-08	5017443	5	515	0	0
MS27039-1-11	5017441	5	240	0	0
MS35842-11	5017438	1	39	0	0
NAS1149F0332P	5017435	62	3,231	0	0
NAS1149FN832P	5017437	111	4,525	0	0
NAS1835-08	5017436	4	149	0	0

FM136554-1

Part Specifications

Specifications could not be found.

Plex 10/16/17 10:31 AM dart.Michaud-Febrille.Victoria

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

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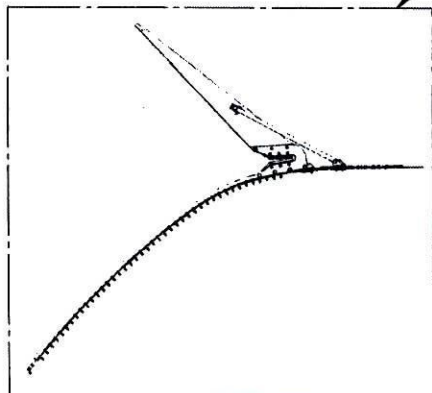
NOTES:

1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

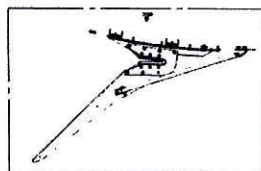
UNINCORPORATED ECN(S)

02729, 02736, 03047

DETAIL A



DETAIL B



QTY	1	1	49	601.1066	RIVET	CR3212-4-4	
	1	1	48	600.0991	MAGHOBOND 698 PART B		
	1	1	47	600.0990	MAGHOBOND 698 PART A		
	1	1	46	600.1012	SEALANT	PP-1425 CLASS B	
	5	5	45	601.1949	SCREW	MS27039-1-11	
	2	2	44	601.2989	SCREW	MS27039-0812	
	4	4	43	601.2987	SCREW	MS27039-0809	
	4	4	42	601.3000	SCREW	MS27039-0806	
QTY	1	1	49	601.1066	RIVET	CR3212-4-4	
QTY	1	1	48	600.0991	MAGHOBOND 698 PART B		
QTY	1	1	47	600.0990	MAGHOBOND 698 PART A		
QTY	1	1	46	600.1012	SEALANT	PP-1425 CLASS B	
QTY	5	5	45	601.1949	SCREW	MS27039-1-11	
QTY	2	2	44	601.2989	SCREW	MS27039-0812	
QTY	4	4	43	601.2987	SCREW	MS27039-0809	
QTY	4	4	42	601.3000	SCREW	MS27039-0806	
QTY	1	1	49	601.1066	RIVET	CR3212-4-4	
QTY	1	1	48	600.0991	MAGHOBOND 698 PART B		
QTY	1	1	47	600.0990	MAGHOBOND 698 PART A		
QTY	1	1	46	600.1012	SEALANT	PP-1425 CLASS B	
QTY	5	5	45	601.1949	SCREW	MS27039-1-11	
QTY	2	2	44	601.2989	SCREW	MS27039-0812	
QTY	4	4	43	601.2987	SCREW	MS27039-0809	
QTY	4	4	42	601.3000	SCREW	MS27039-0806	

REV	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE REVISION P01		N/C
2	FINAL RELEASE	04/03/04	P. BRAYD

47	47	41	601.2893	SCREW	MS27039-0811	
1	1	40	601.2982	HOSE CLAMP	MS35842-11	
1	1	39	647.1210	SCREEN		
5	5	38	601.1621	SCREW	MS27039-1-08	
14	14	37	601.2979	RIVET	CR3213-4-1	
4	4	36	601.2984	INSERT	MS31835-08	
4	4	35	601.2277	RIVET	CR32145-9-09	
8	8	34	601.2983	RIVET	CR3212-5-4	
12	12	33	601.2980	NUTPLATE RIVET	CR321455-5-04	
1	1	32	601.2822	BOLT	AN3-3A	
1	1	31	601.2985	BRACKET	AN743-13	
2	2	30	601.1900	NUTPLATE	MS21059-3	
6	6	29	601.2988	SCREW	MS27039-0813	
53	53	28	601.2973	LOCKNUT	MS21042-08	
6	6	27	600.0795	NUTPLATE	MS21047-3	
18	18	26	601.0790	RIVET	CR3213-4-3	
18	18	25	601.1039	RIVET	CR3213-4-2	
19	19	24	601.1915	RIVET	CR3213-4-4	
20	20	23	601.2991	RIVET	CR3213-4-6	
26	26	22	601.1183	RIVET	CR3213-4-5	
4	4	21	601.2356	NUTPLATE	MS21059L08	
8	8	20	601.2981	NUTPLATE RIVET	CR321455-5-04	
17	17	19	601.2943	LOCKNUT	MS21042-3	
16	16	18	601.2826	BOLT	AN3-11A	
46	46	17	601.1607	WASHER	MS3114P0032P	
114	114	16	601.2764	WASHER	MS3114P0032P	
1	1	15	647.0115	CLIP		
1	1	14	647.0114	CLIP		
1	1	13	647.0410	TUBE		
2	2	12	647.0116	DOUBLER		
1	1	11	647.0111	PANEL		
2	2	10	647.0113	STRUT DOUBLER		
8	8	9	647.0112	STRUT BRACKET		
4	4	8	646.9910	STRUT		
2	2	7	647.0310	CHANNEL		
1	1	6	647.0110	ROOF DOUBLER		
1	1	5	647.0210	RAIL		
1	1	4	646.9810	DEFLECTOR		
1	1	3	646.9603	LOWER CUTTER ASSY LOW		
1	1	2	646.9602	LOWER CUTTER ASSY HIGH		
1	1	1	646.9601	UPPER CUTTER ASSY		
			646.9502	206 CABLE CUTTERS KIT LOW		
			646.9501	206 CABLE CUTTERS KIT HIGH		
Q502	Q501	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY	1	1	49	601.1066	RIVET	CR3212-4-4	
QTY	1	1	48	600.0991	MAGHOBOND 698 PART B		
QTY	1	1	47	600.0990	MAGHOBOND 698 PART A		
QTY	1	1	46	600.1012	SEALANT	PP-1425 CLASS B	
QTY	5	5	45	601.1949	SCREW	MS27039-1-11	
QTY	2	2	44	601.2989	SCREW	MS27039-0812	
QTY	4	4	43	601.2987	SCREW	MS27039-0809	
QTY	4	4	42	601.3000	SCREW	MS27039-0806	
QTY	1	1	49	601.1066	RIVET	CR3212-4-4	
QTY	1	1	48	600.0991	MAGHOBOND 698 PART B		
QTY	1	1	47	600.0990	MAGHOBOND 698 PART A		
QTY	1	1	46	600.1012	SEALANT	PP-1425 CLASS B	
QTY	5	5	45	601.1949	SCREW	MS27039-1-11	
QTY	2	2	44	601.2989	SCREW	MS27039-0812	
QTY	4	4	43	601.2987	SCREW	MS27039-0809	
QTY	4	4	42	601.3000	SCREW	MS27039-0806	

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

206 CABLE CUTTERS KIT

QTY	1	1	49	601.1066	RIVET	CR3212-4-4	
QTY	1	1	48	600.0991	MAGHOBOND 698 PART B		
QTY	1	1	47	600.0990	MAGHOBOND 698 PART A		
QTY	1	1	46	600.1012	SEALANT	PP-1425 CLASS B	
QTY	5	5	45	601.1949	SCREW	MS27039-1-11	
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QTY	2	2	44	601.2989	SCREW	MS27039-0812	
QTY	4	4	43	601.2987	SCREW	MS27039-0809	
QTY	4	4	42	601.3000	SCREW	MS27039-0806	

APICAL INDUSTRIES, INC.		ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1		
		DWG NO. 646.9500		REV IN/C		PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.
		DWG TITLE: 206 CABLE CUTTERS KIT						
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		APPROVED BY: ENGR. <i>[Signature]</i>		MFG. <i>[Signature]</i>		QC <i>[Signature]</i>		EFF: CURRENT ORDER
		REASON: CORRECTED PARTS LIST ERRORS						
17	R	601.1607	62	62	WASHER	NAS1149F0332P		
16	R	601.2764	111	111	WASHER	NAS1149FN832P		
			9502	9501				
F/N	TC	PART NUMBER	QTY	DESCRIPTION		MATERIAL/SPECIFICATION		
DOCUMENTS EFFECTED:					CHANGE CATEGORY		DER REVIEW REQUIRED	
☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM					☐ MAJOR ☒ MINOR		☐ YES ☒ NO	

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MEG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE	REASON: HARDWARE REVISIONS FROM FIRST INSTALL					

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR DER REVIEW REQUIRED ☐ YES ☒ NO